

Fig. 1

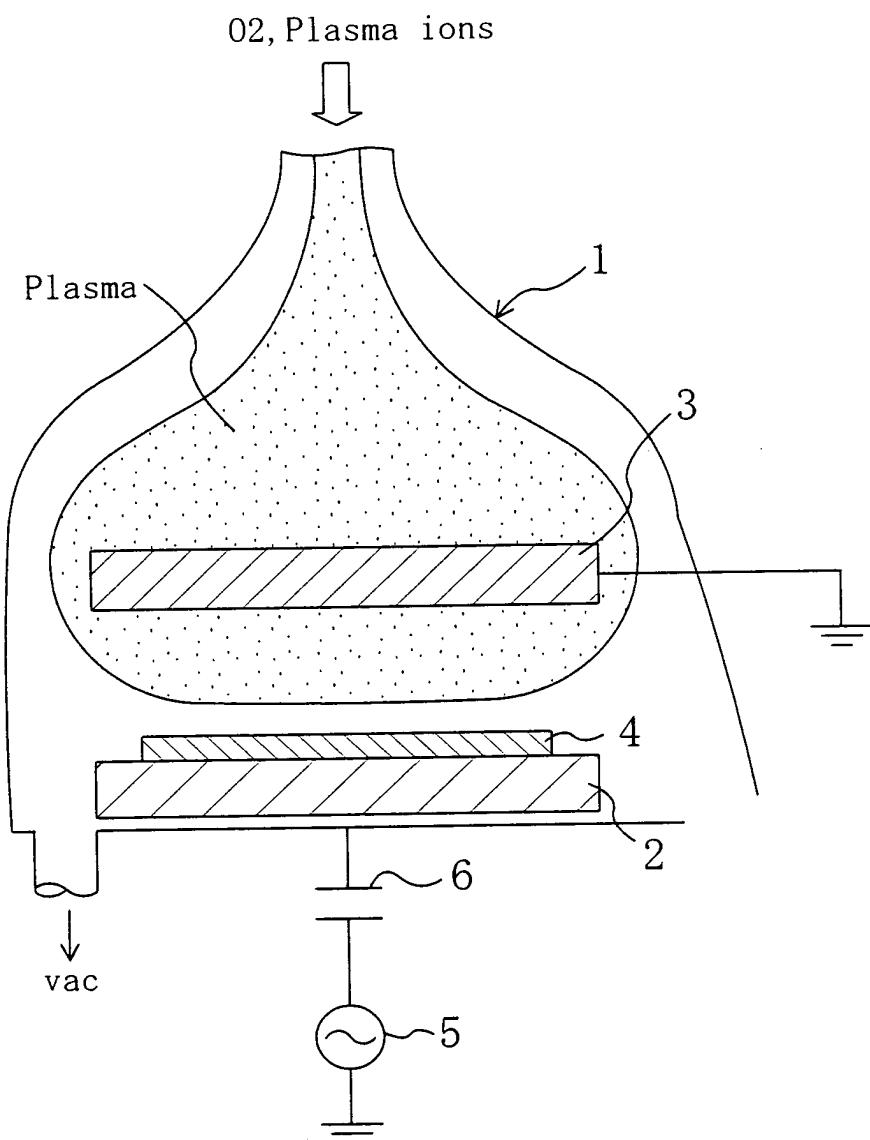


Fig.2(a)

Dependency of film thickness on plasma time

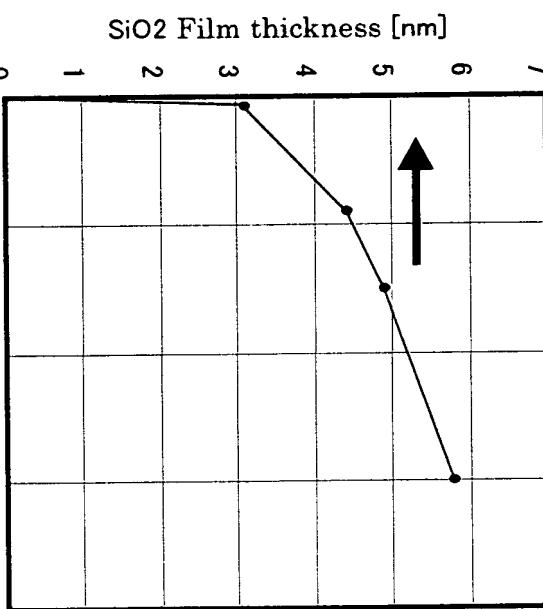
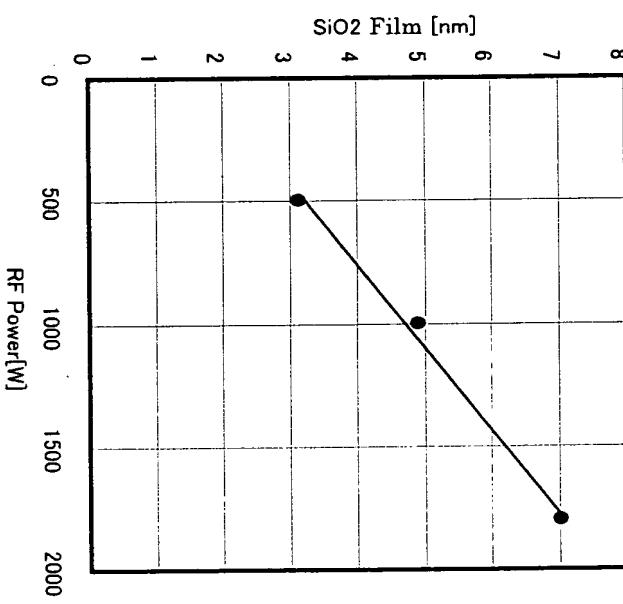


Fig.2(b)

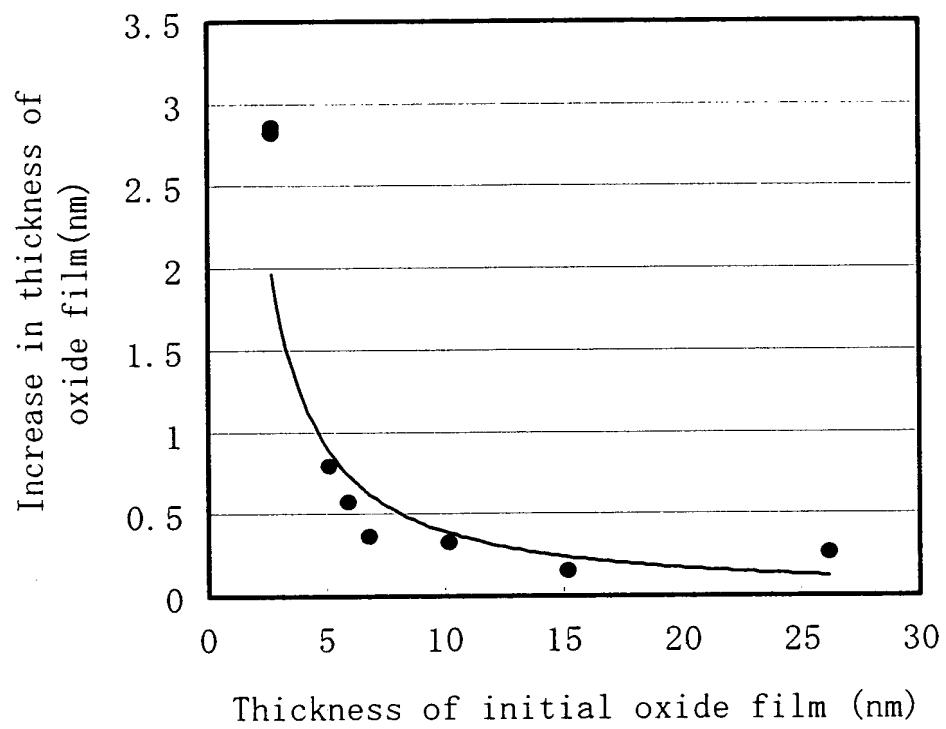
Dependency of film thickness on bias

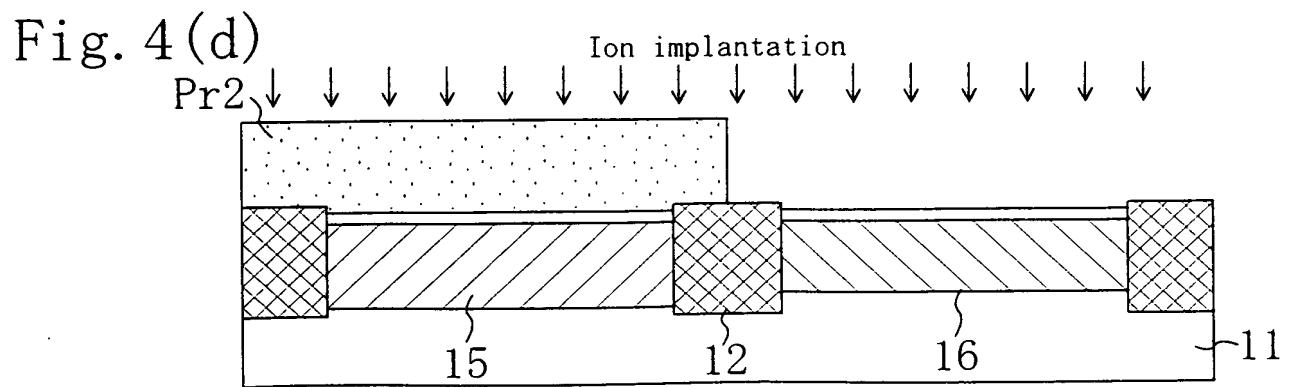
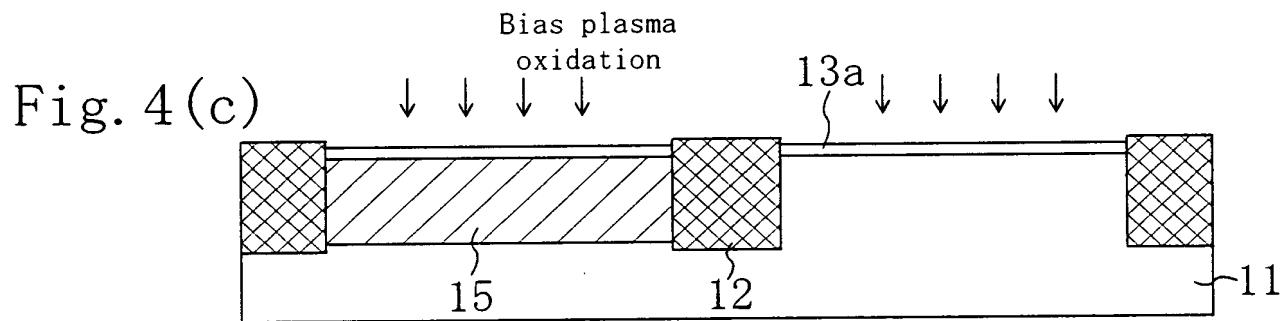
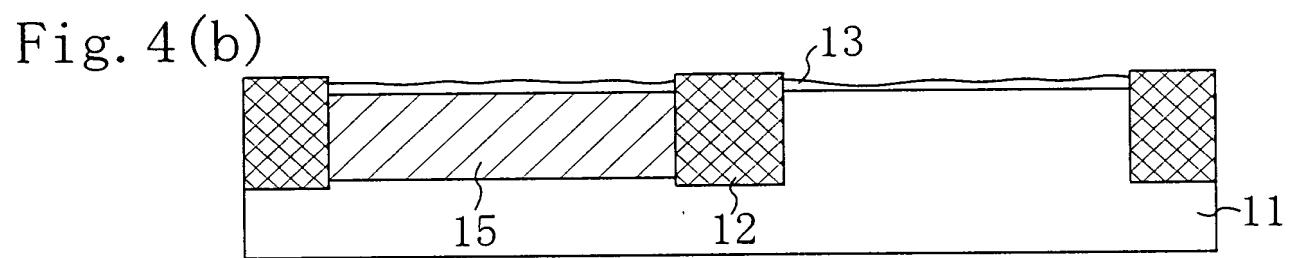
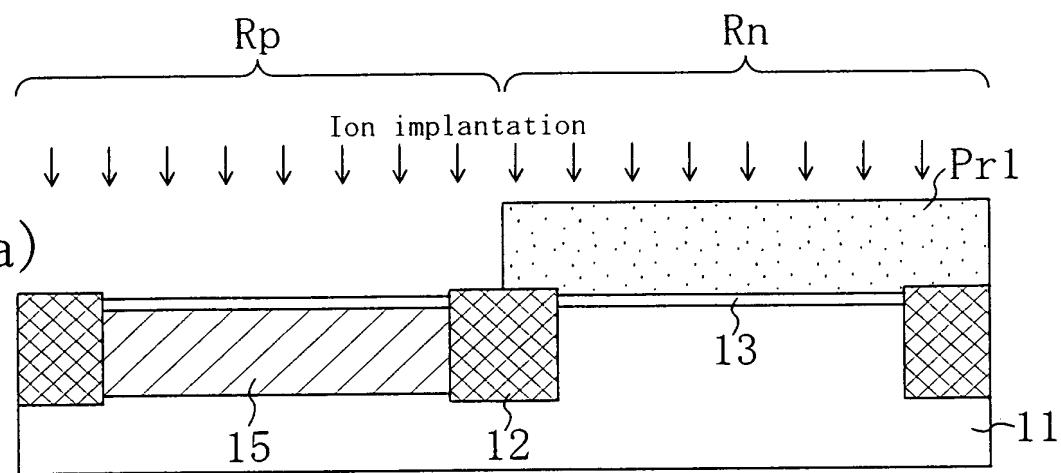


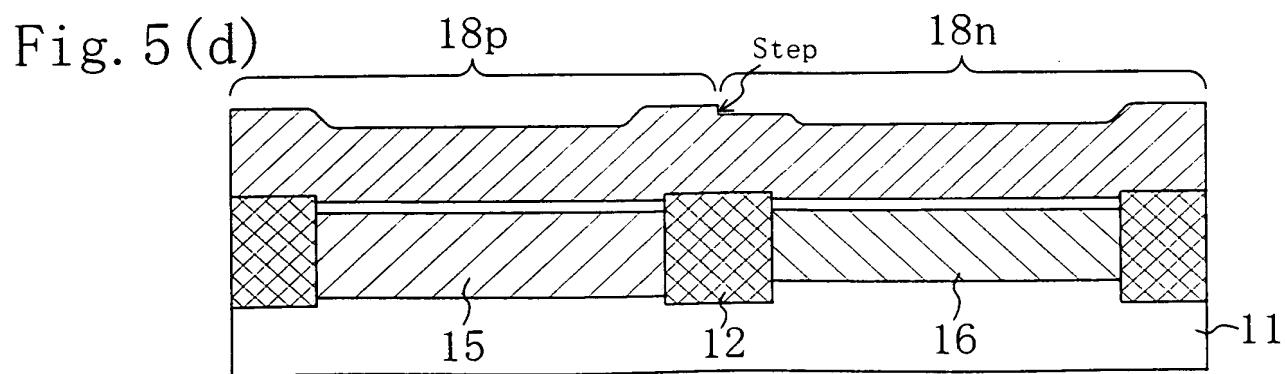
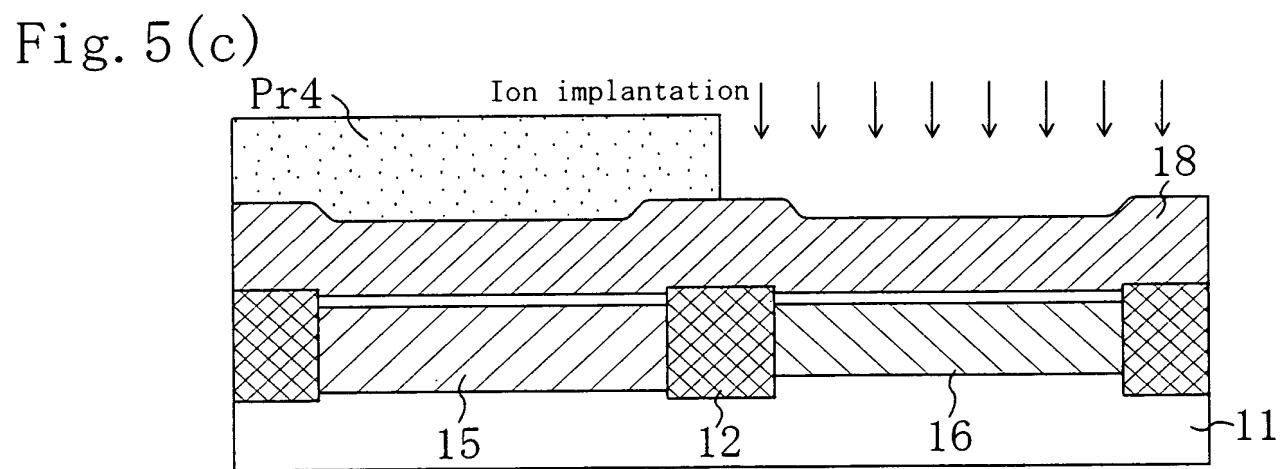
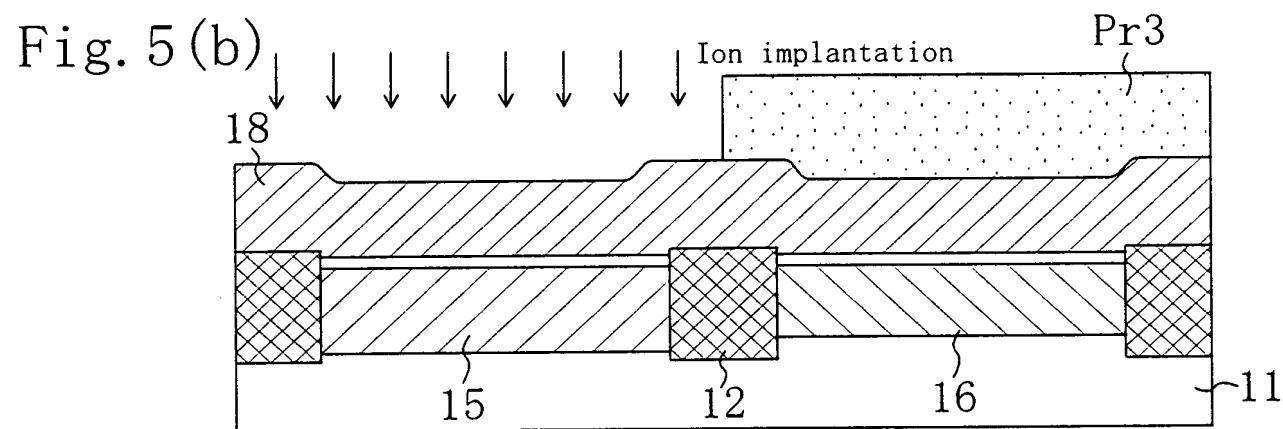
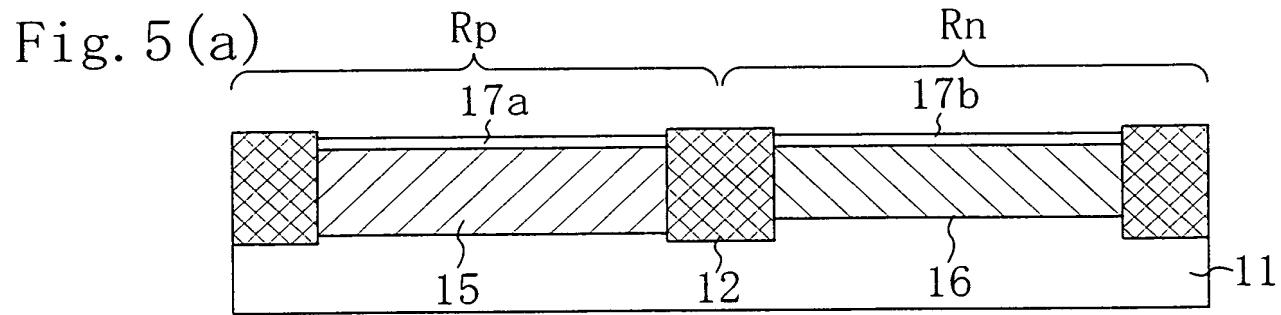
High frequency power [W]	1000
Pressure [pa]	66
Oxygen flow rate [ml/min]	800
Temperature [°C]	180
Time [sec]	Y

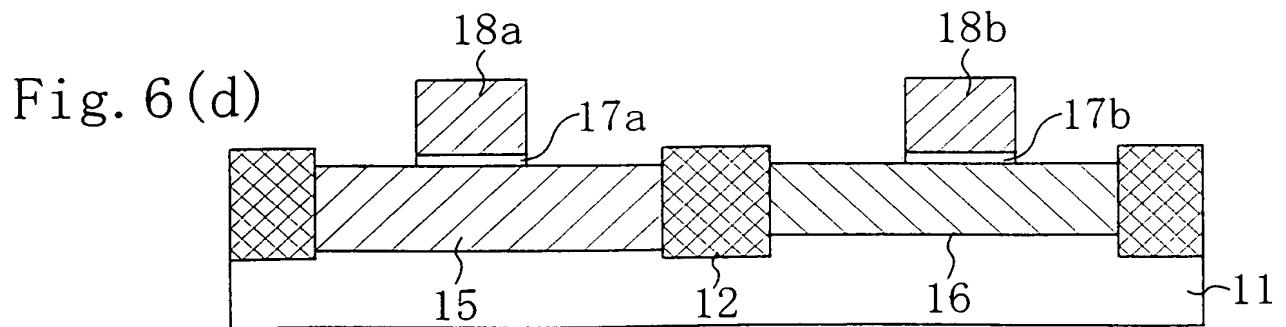
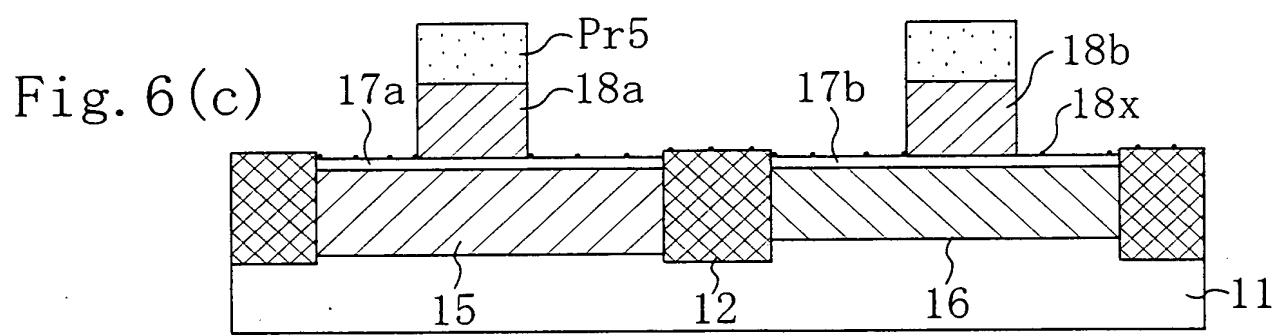
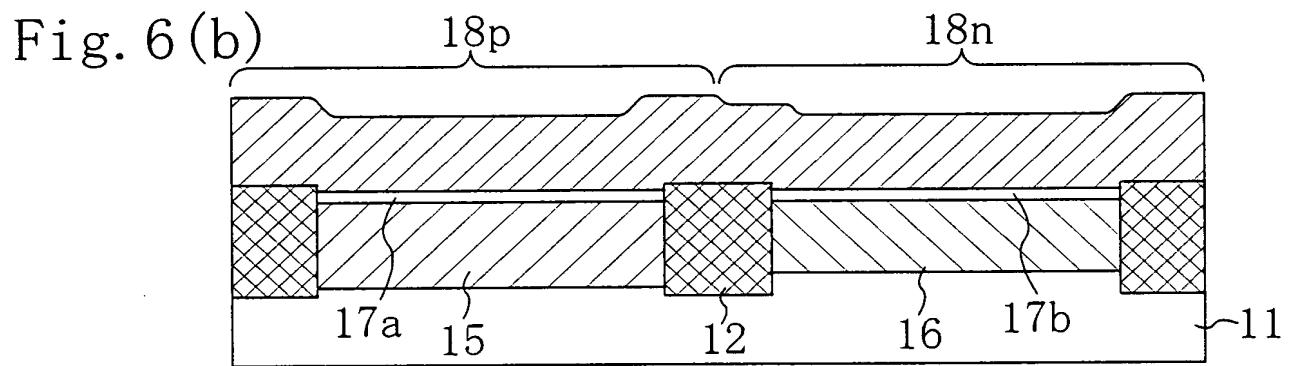
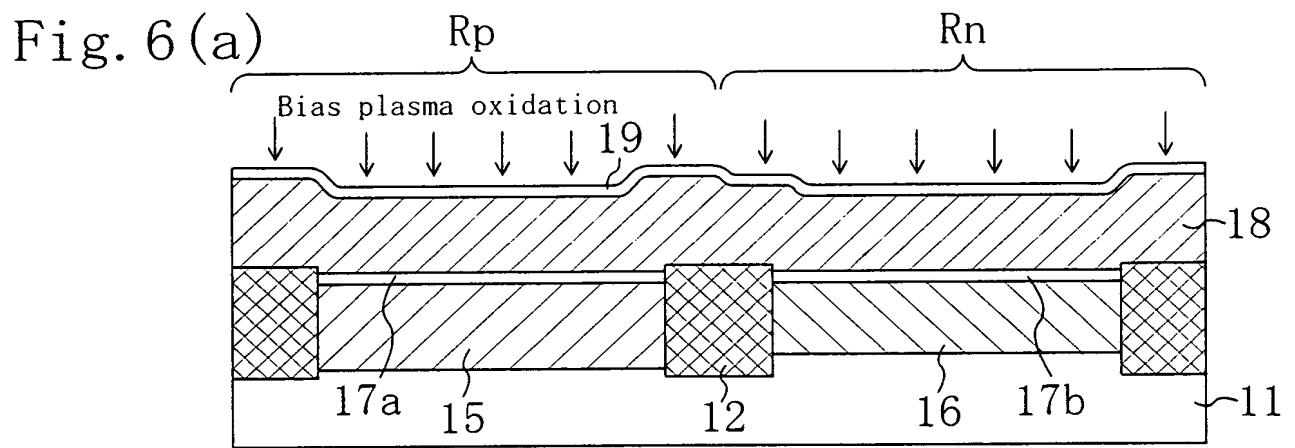
Conditions	02	800[ml/min]	800[ml/min]	800[ml/min]
Pressure	66[Pa]	66[Pa]	66[Pa]	66[Pa]
RF Power	500[W]	1000[W]	1800[W]	
Temp	180[°C]	180[°C]	180[°C]	
Time	5[min]	5[min]	5[min]	

Fig. 3









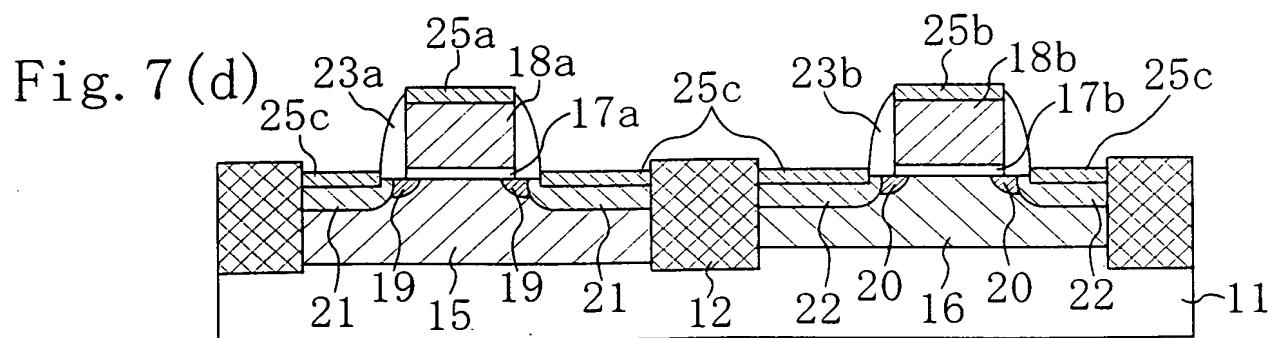
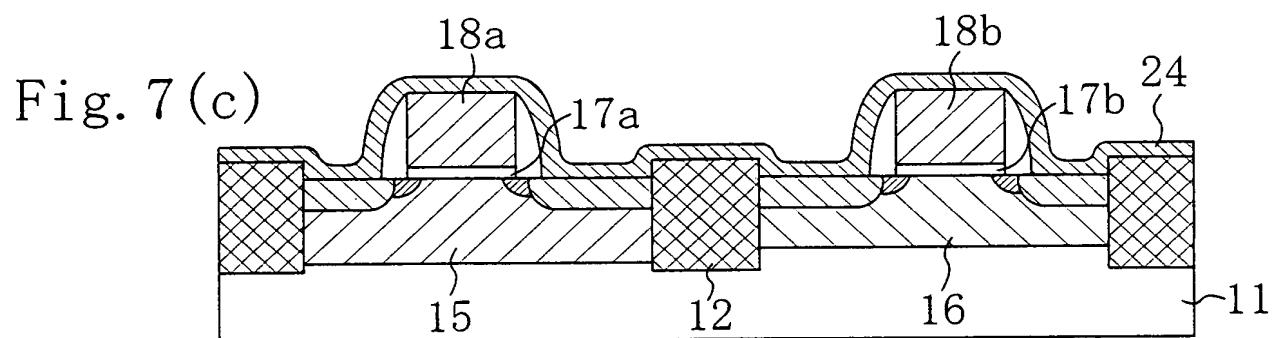
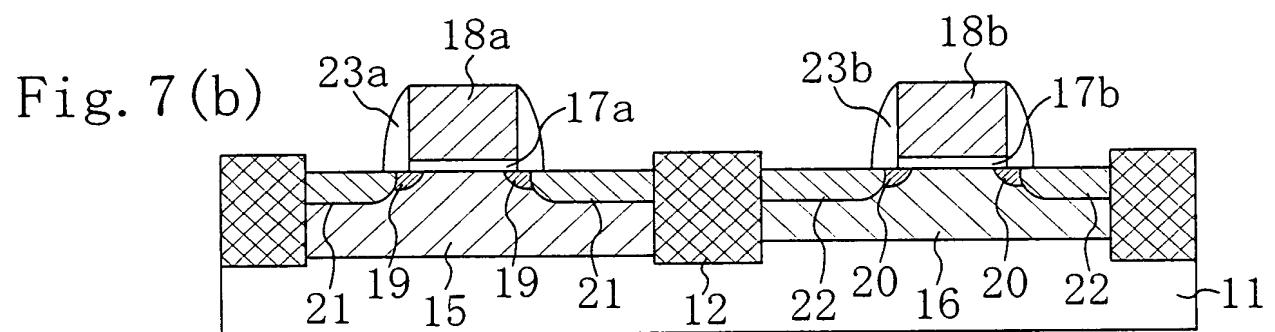
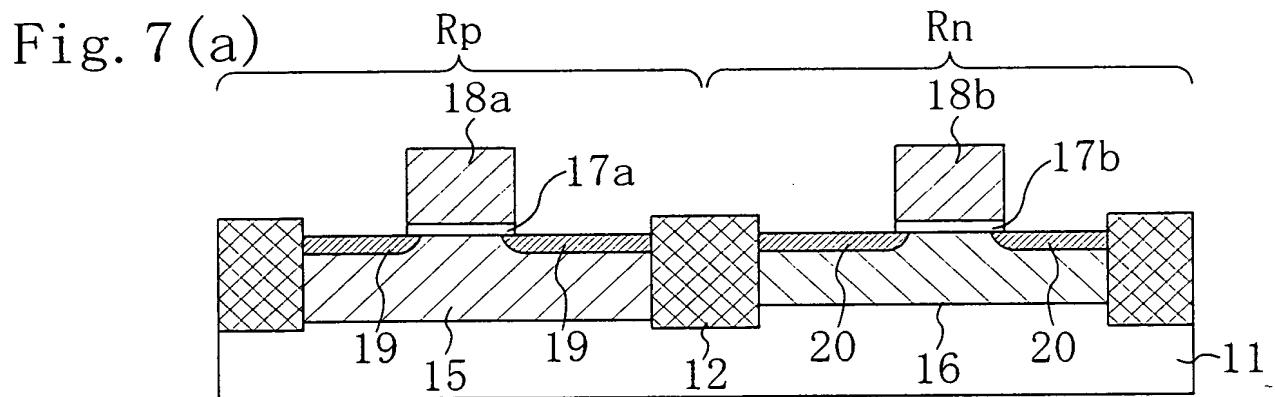


Fig. 8 (a)

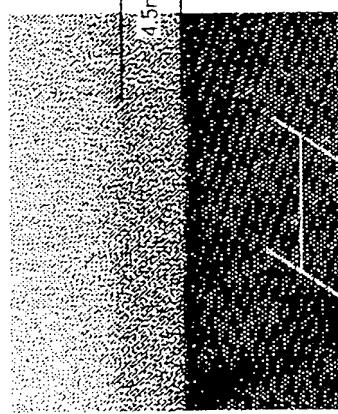


Fig. 8 (b)

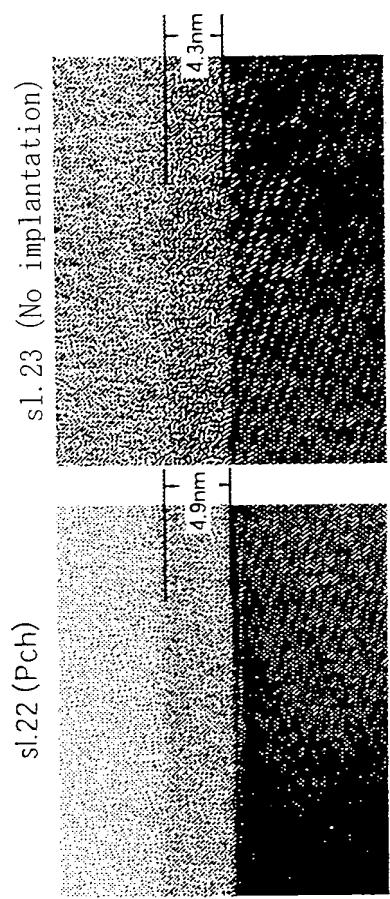


Fig. 8 (c)

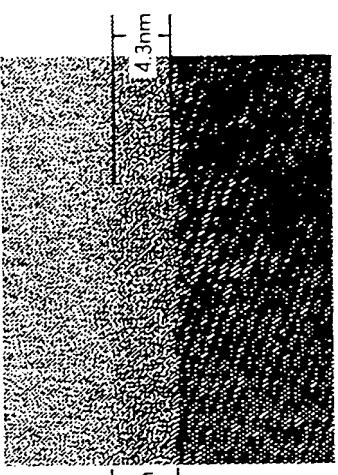


Fig. 8 (d)

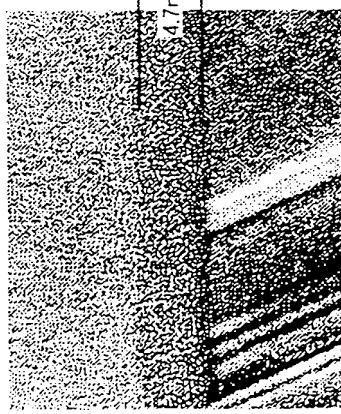
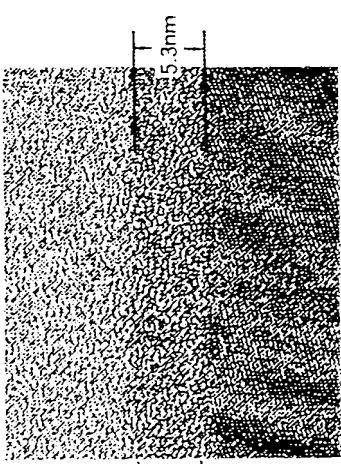


Fig. 8 (e)



10nm

On Si substrate

66pa/800mtorr/180°C/3min
sl.21 (Nch)
sl.22 (Pch)

sl.23 (No implantation)

Fig. 9

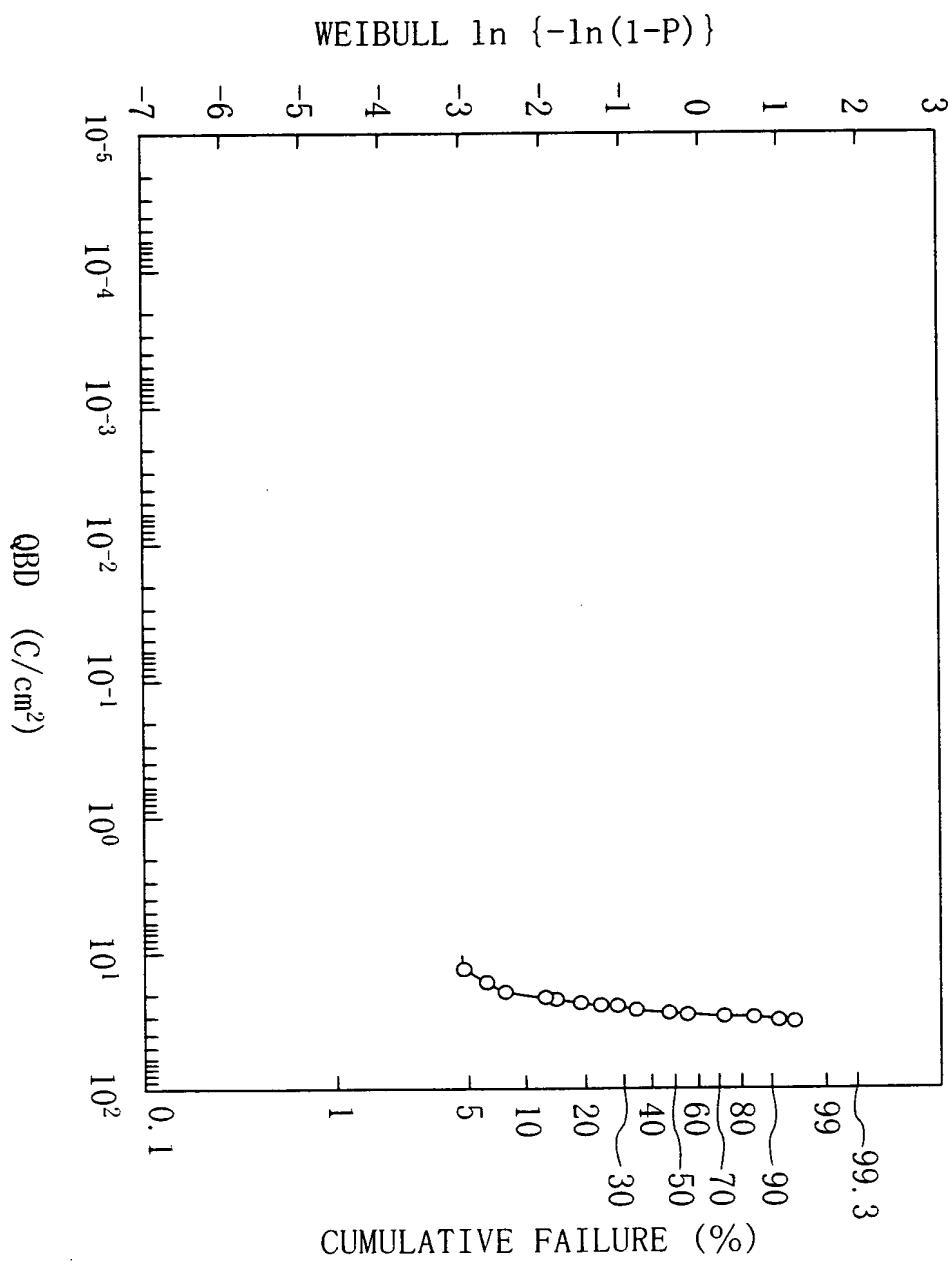


Fig. 10

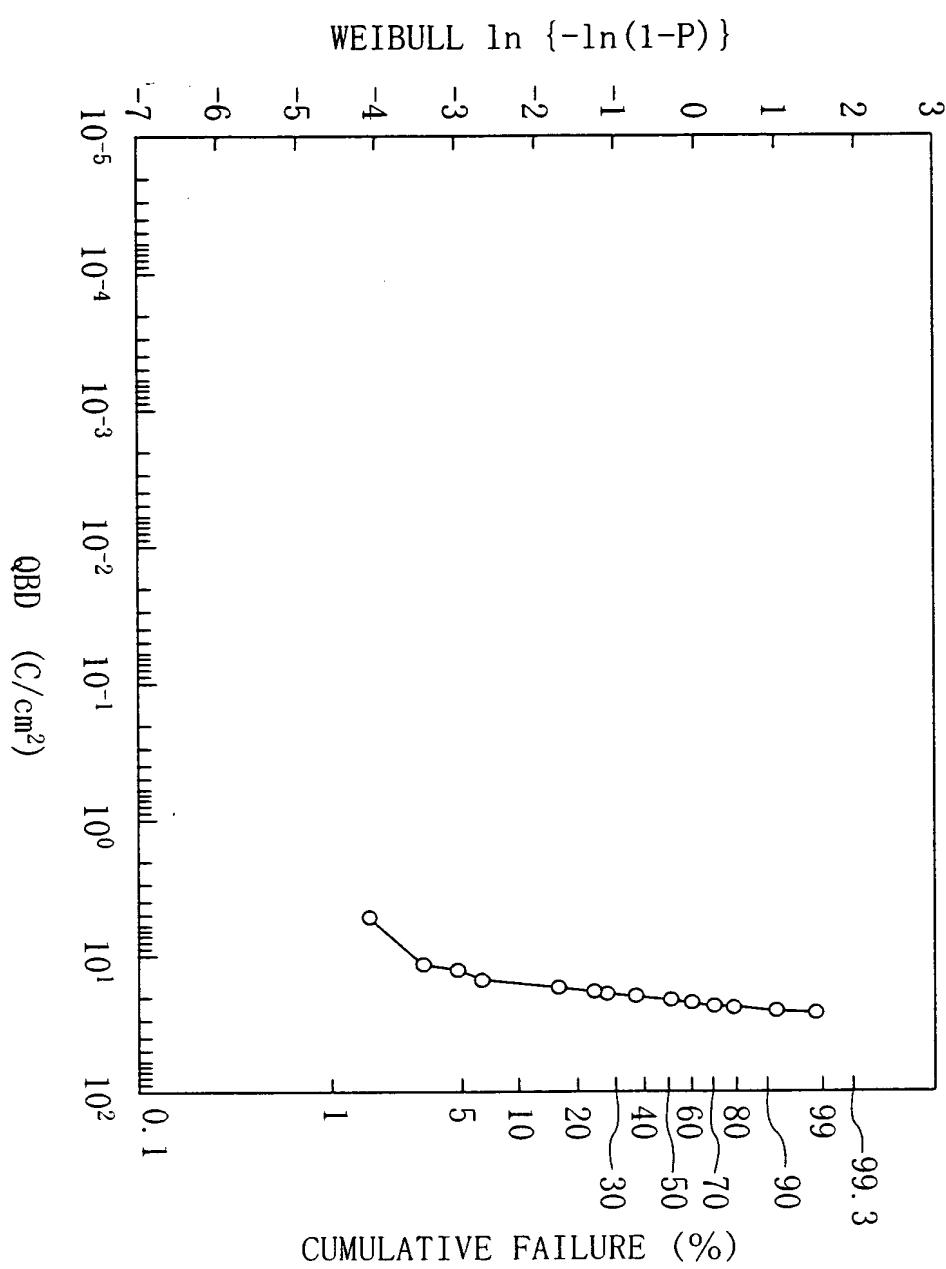


Fig. 11 (a)

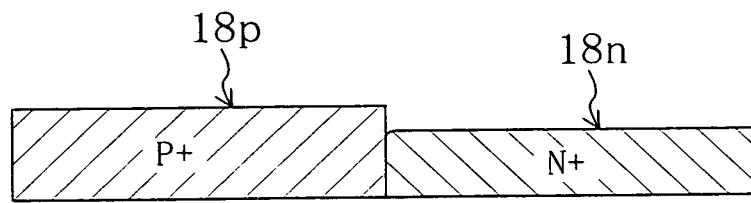


Fig. 11 (b)

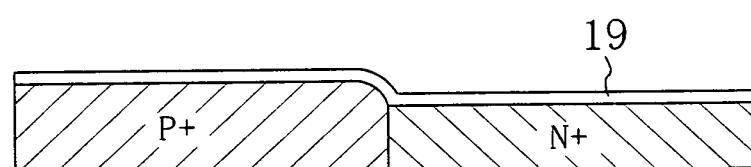


Fig. 11 (c)

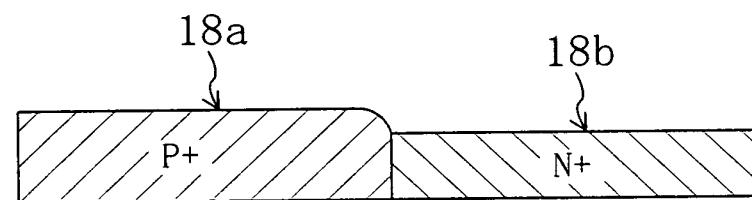


Fig. 11 (d)

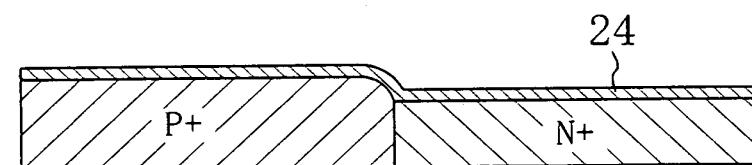


Fig. 11 (e)

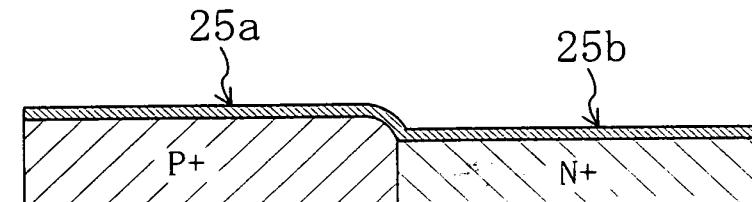


Fig. 12(a)

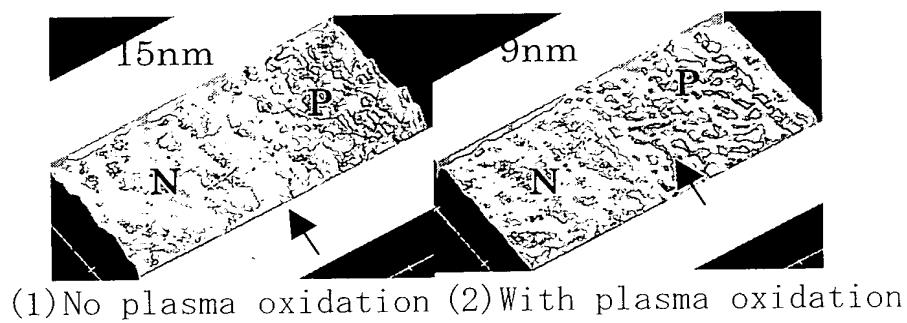


Fig. 12(b)

— With BPO
..... No BPO

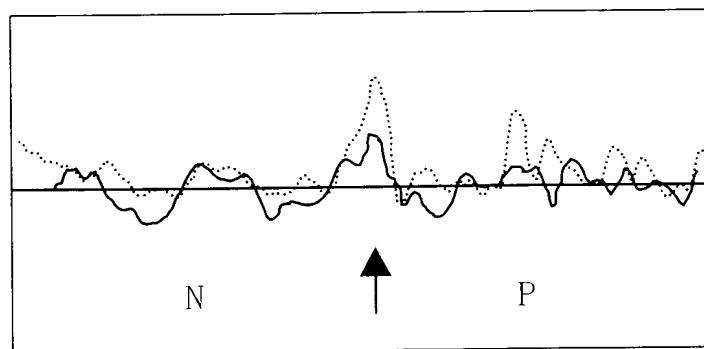


Fig.13

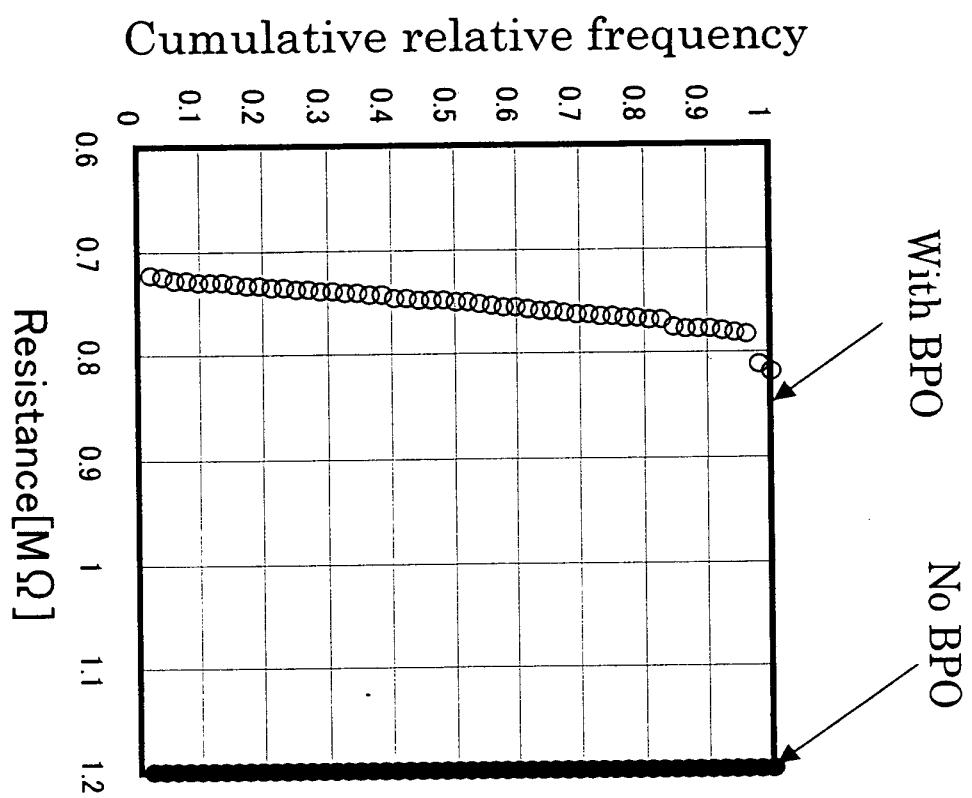


Fig. 14(a)

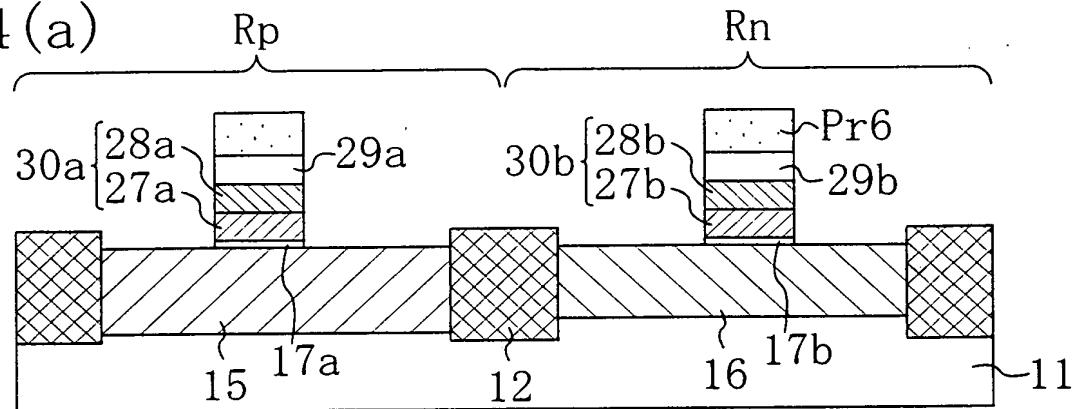


Fig. 14(b)

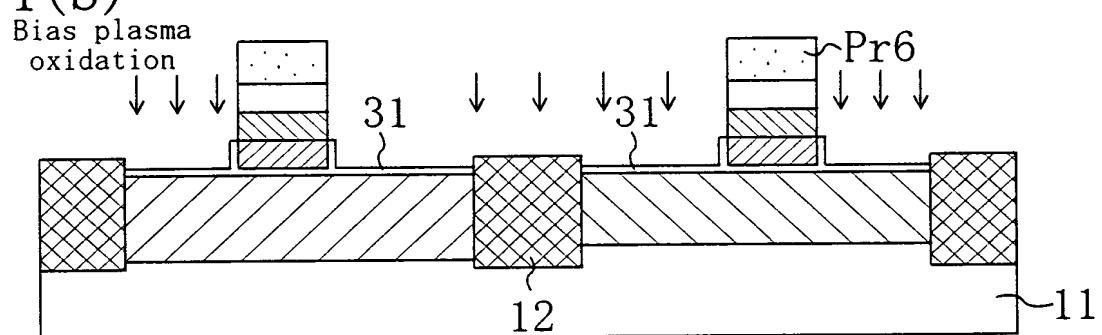


Fig. 14(c)

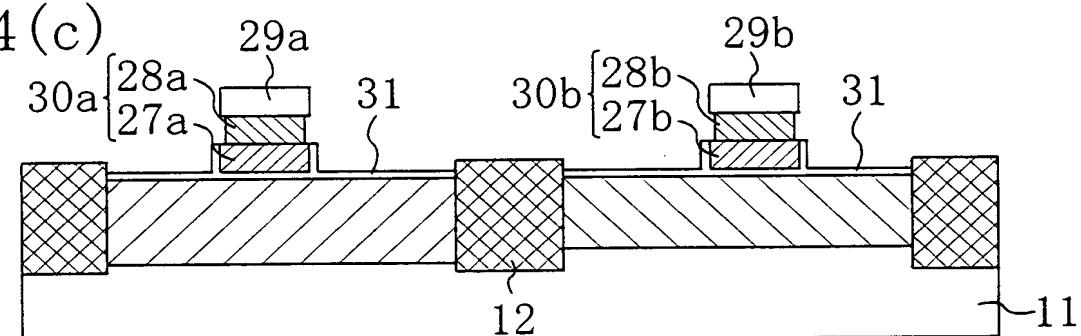


Fig. 14(d)

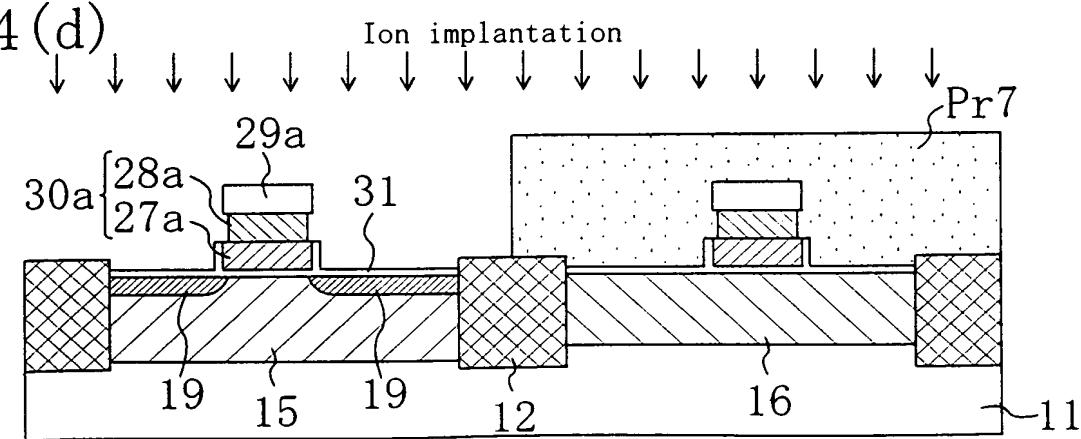


Fig. 15(a)

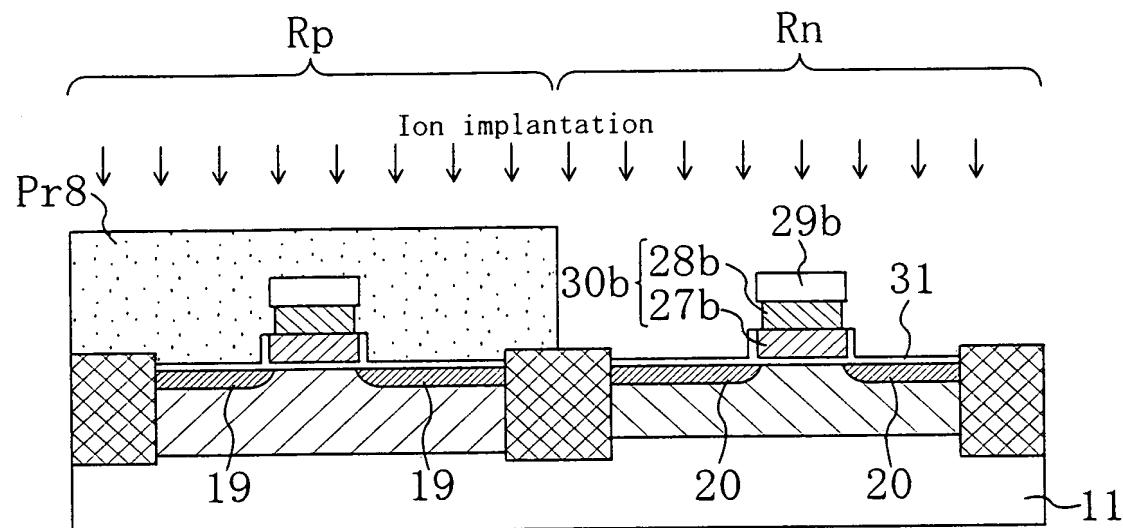


Fig. 15(b)

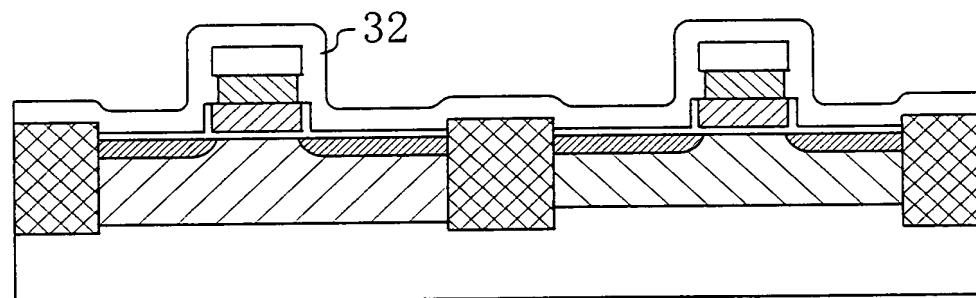


Fig. 15(c)

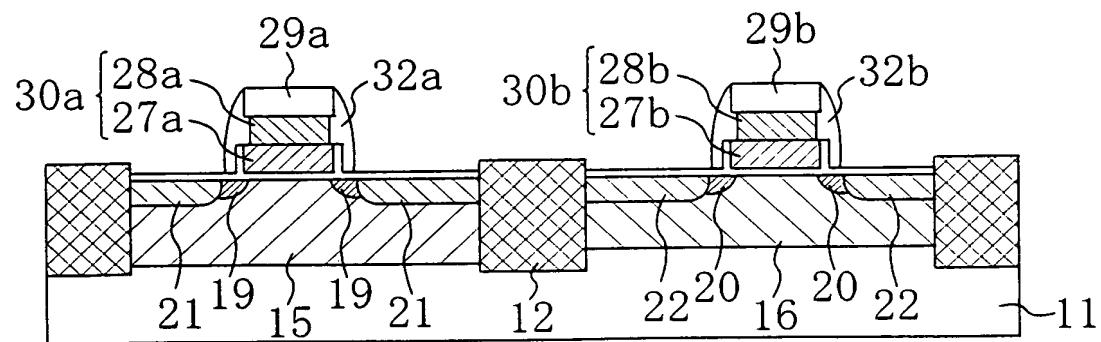
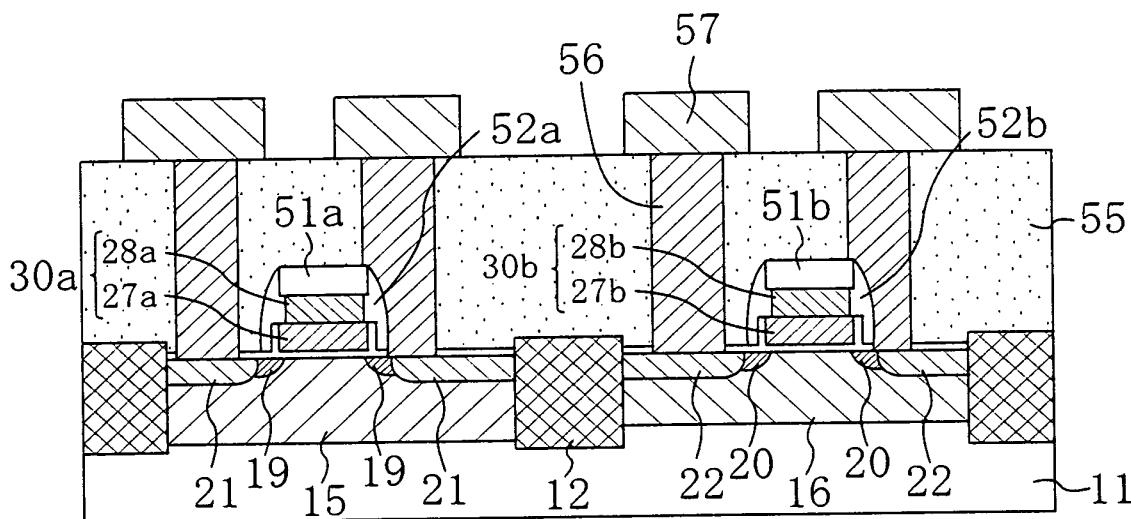


Fig. 16



0966004 "09/14/03

Fig. 17(a)

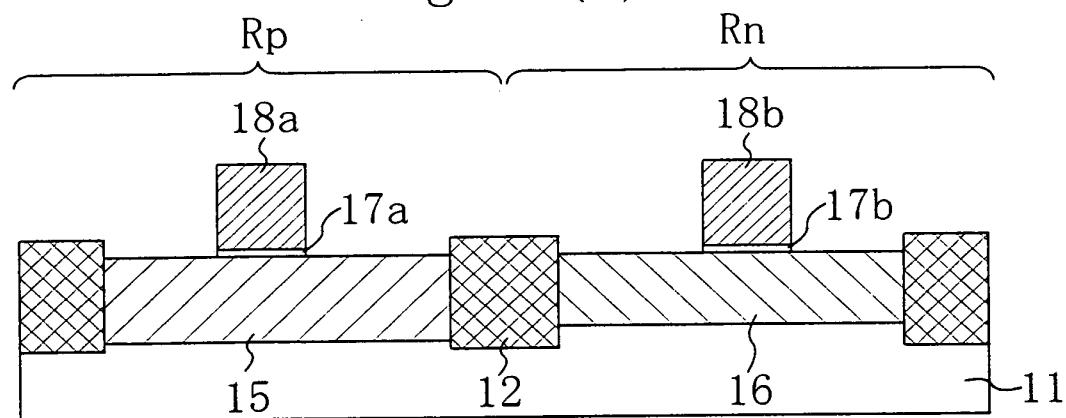


Fig. 17(b)

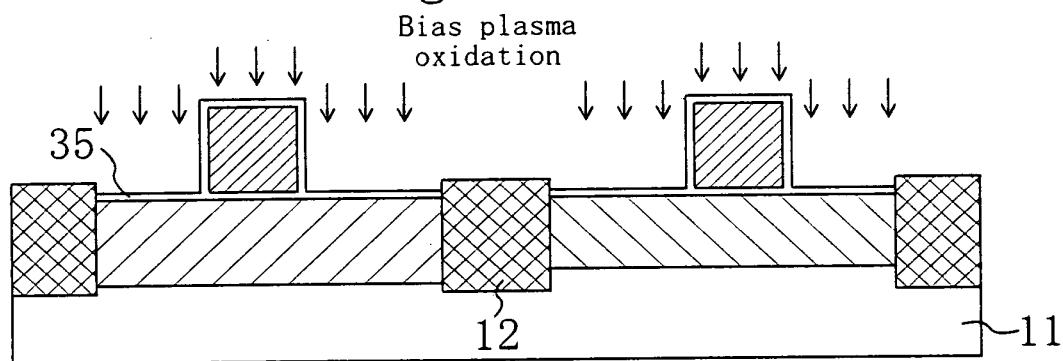


Fig. 17(c)

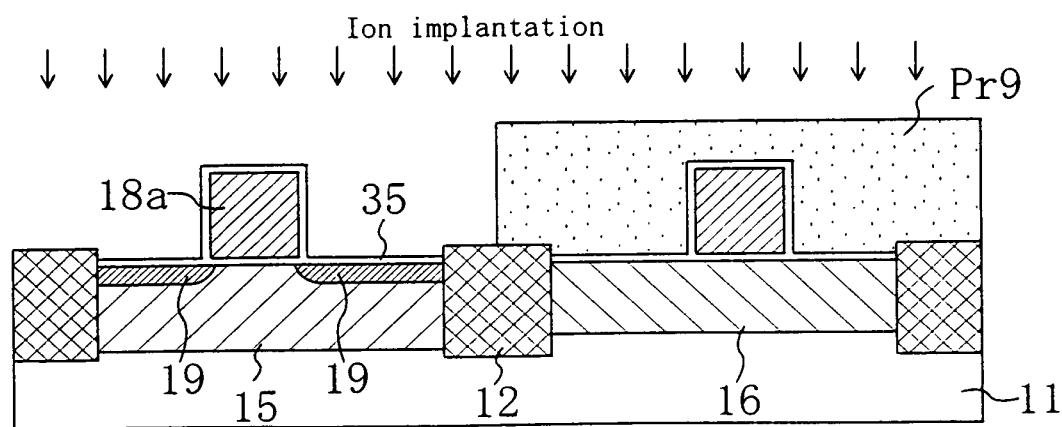


Fig. 18(a)

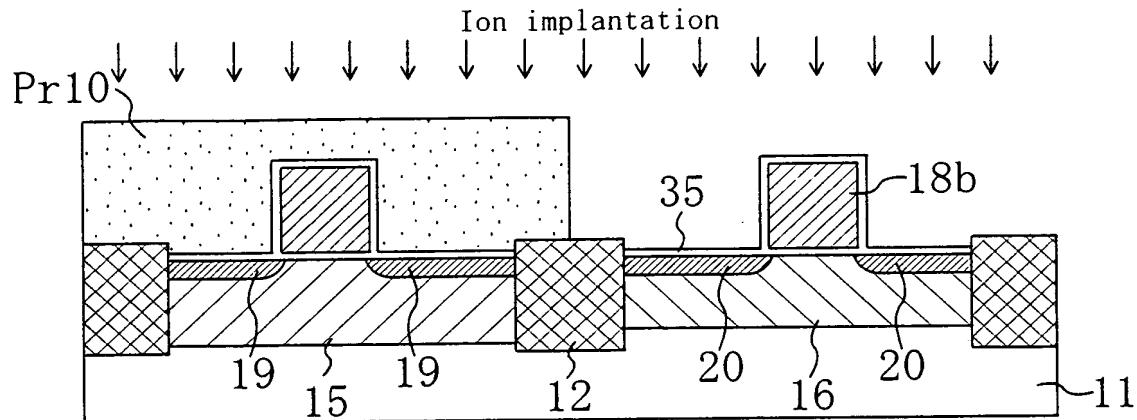


Fig. 18(b)

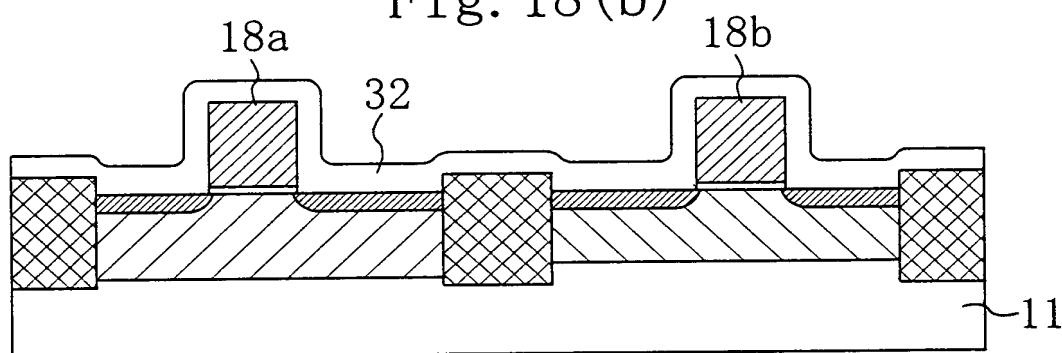


Fig. 18(c)

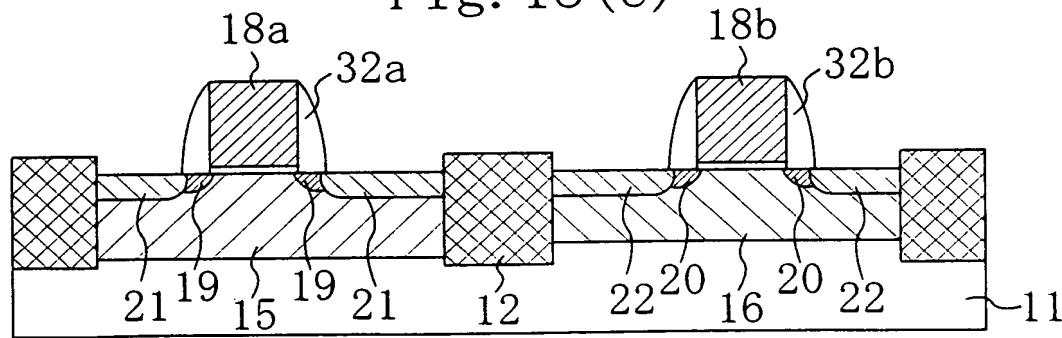


Fig.19(a)
Pch Transistor

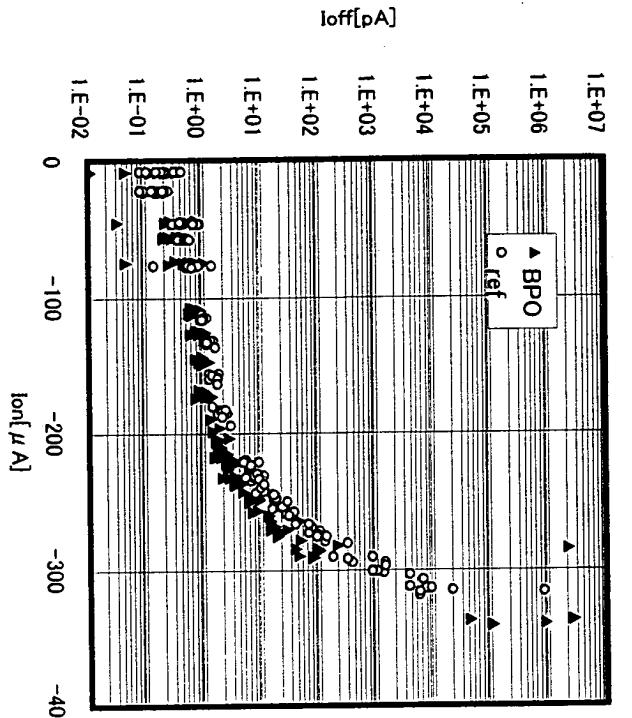


Fig.19(b)
Nch Transistor

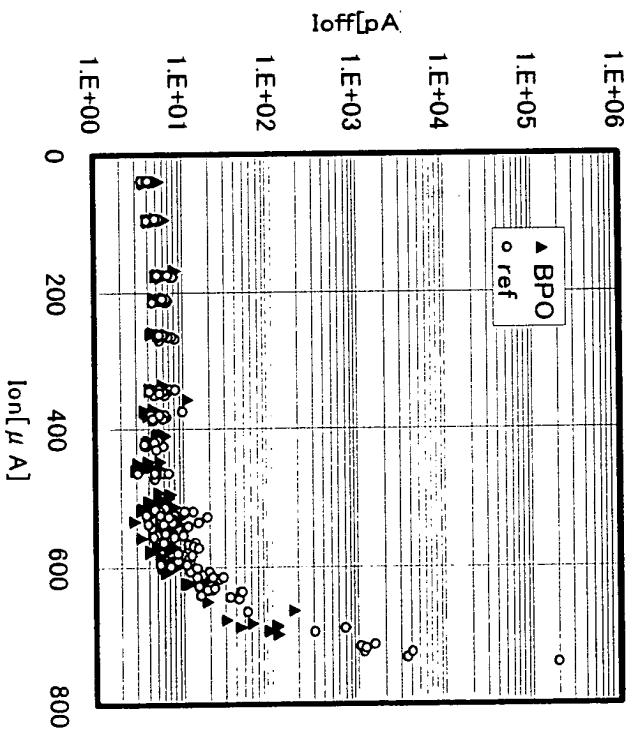


Fig. 20(a)

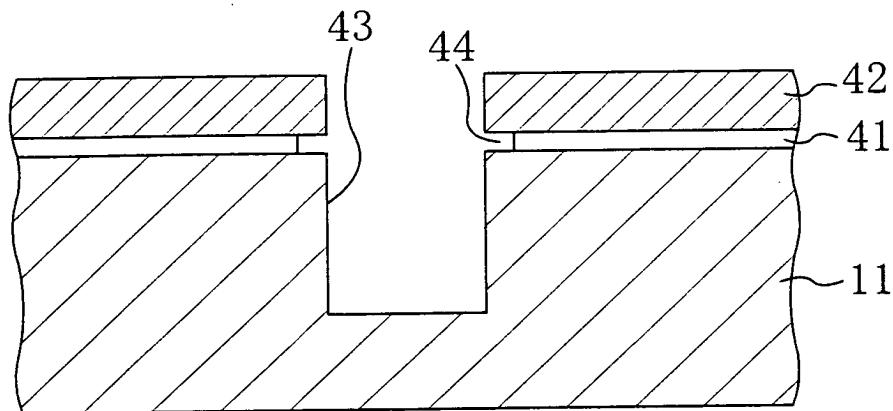


Fig. 20(b)

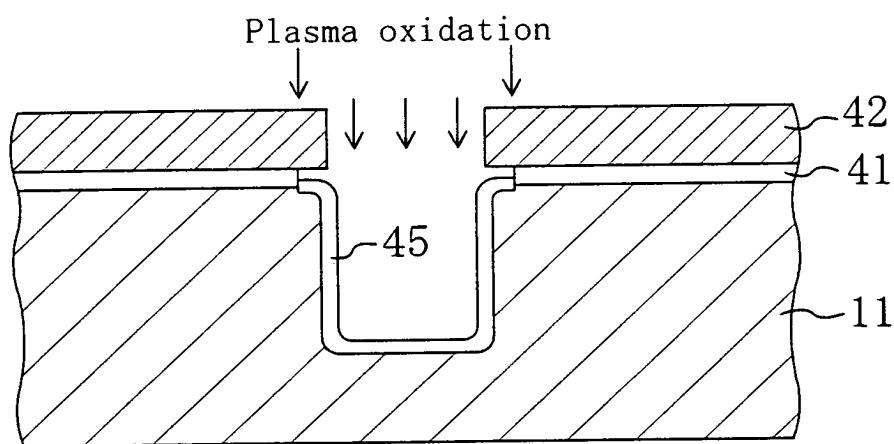


Fig. 20(c)

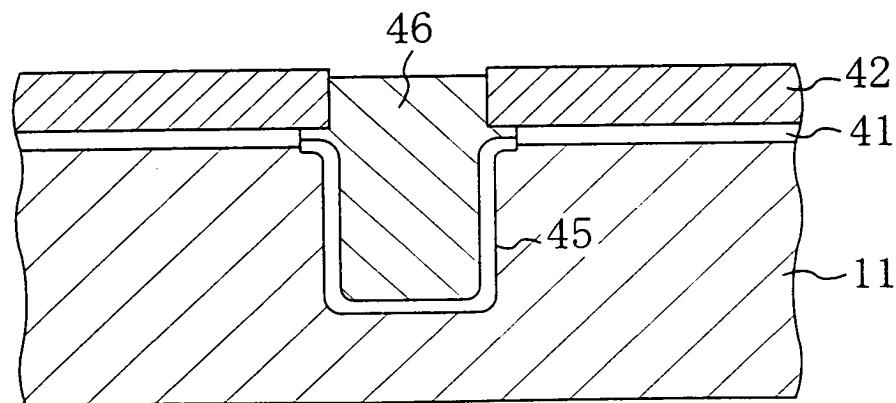


Fig. 21(a)

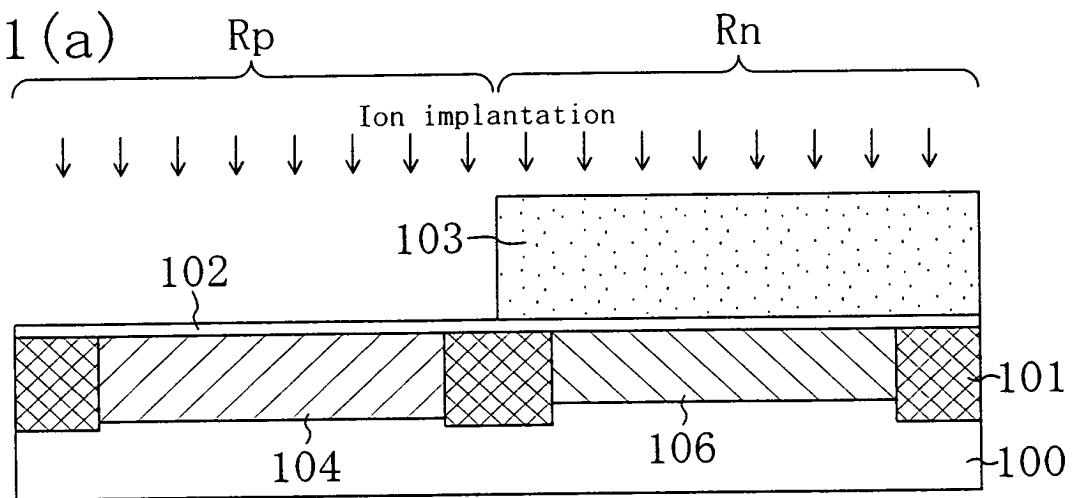


Fig. 21(b)

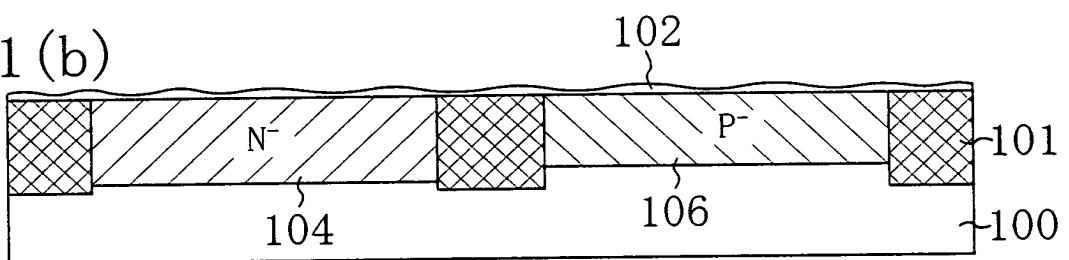


Fig. 21(c)

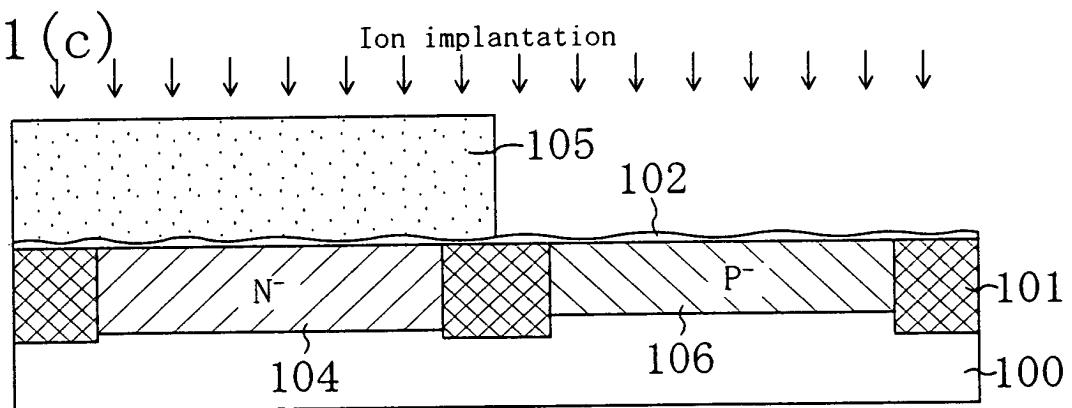
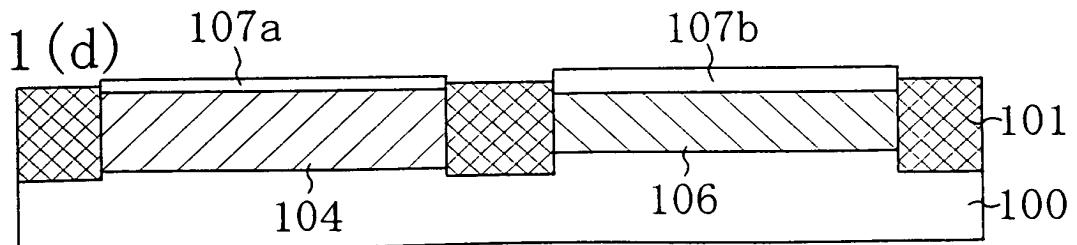


Fig. 21(d)



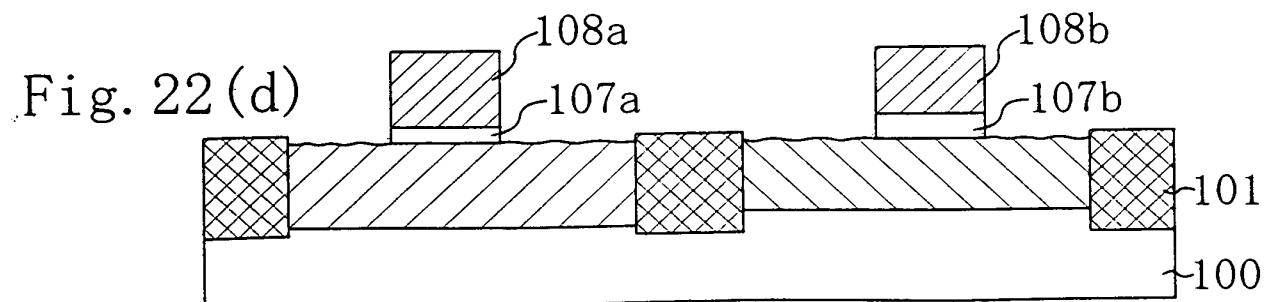
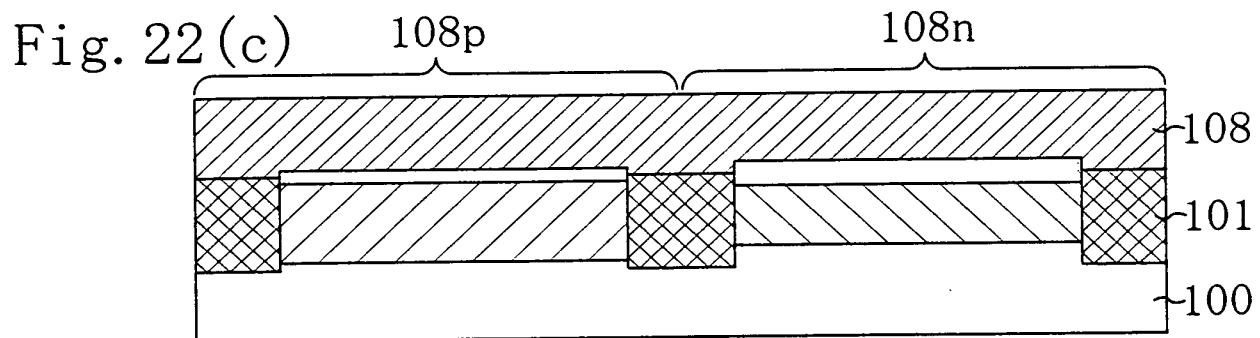
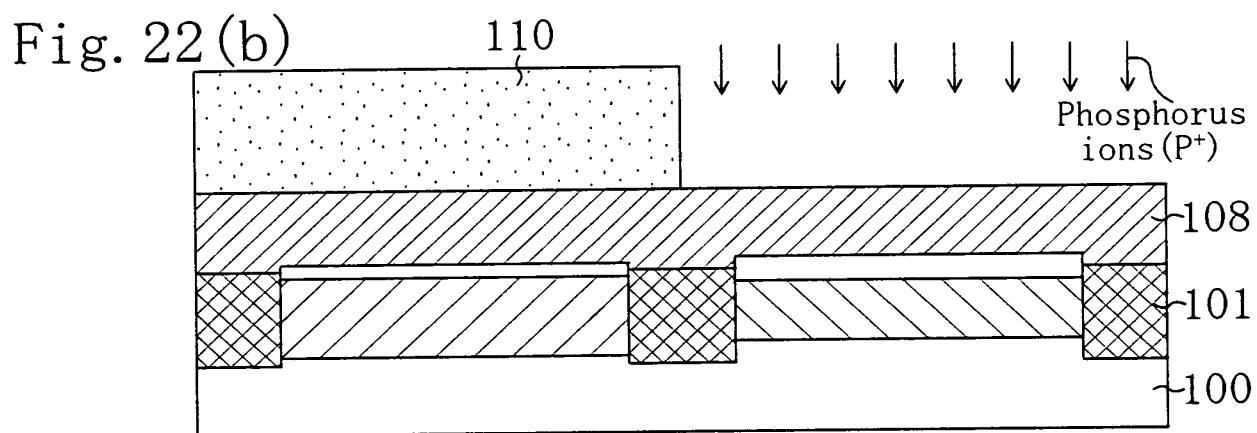
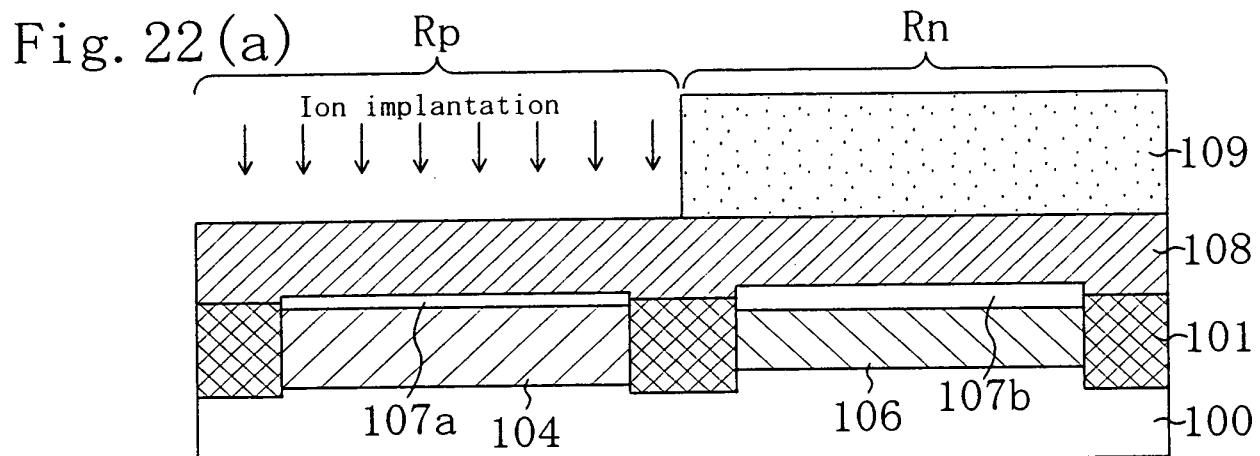


Fig. 23(a)

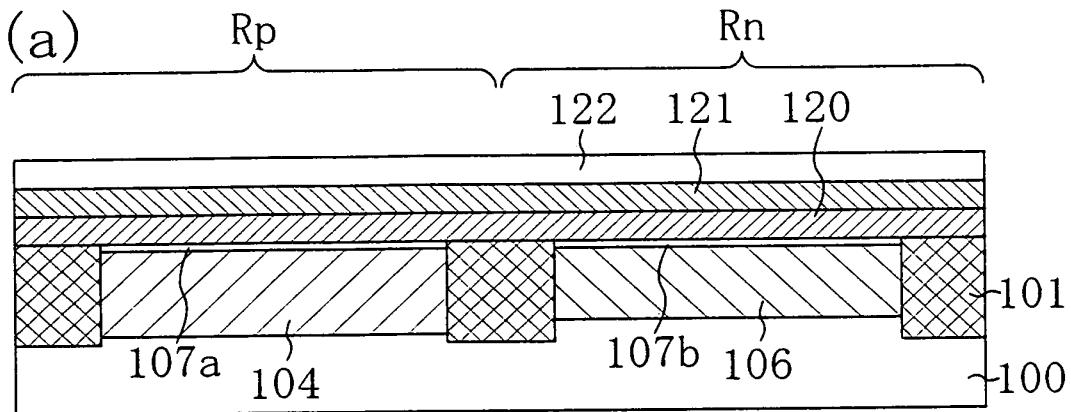


Fig. 23(b)

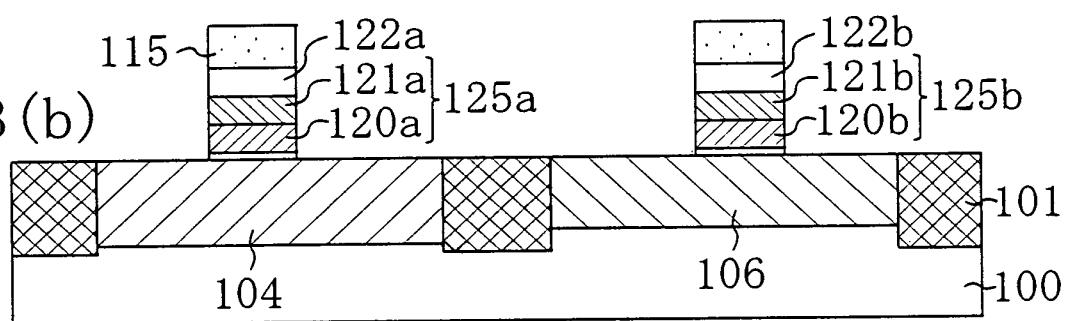


Fig. 23(c)

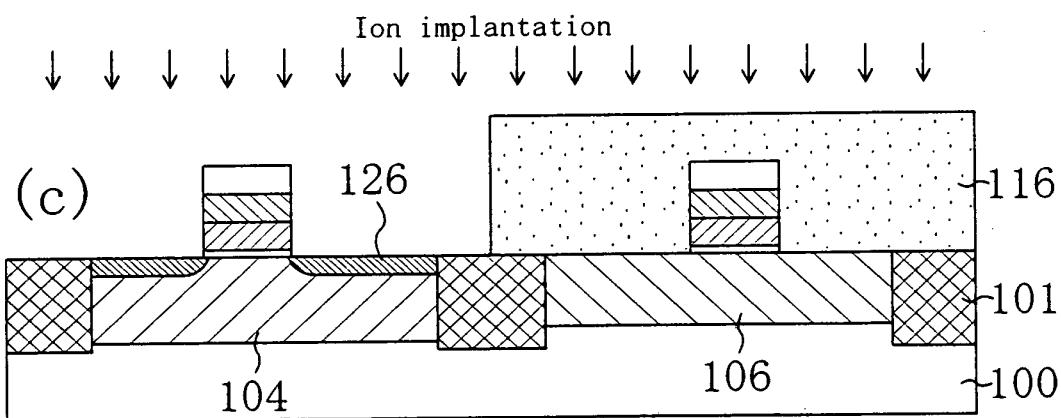


Fig. 23(d)

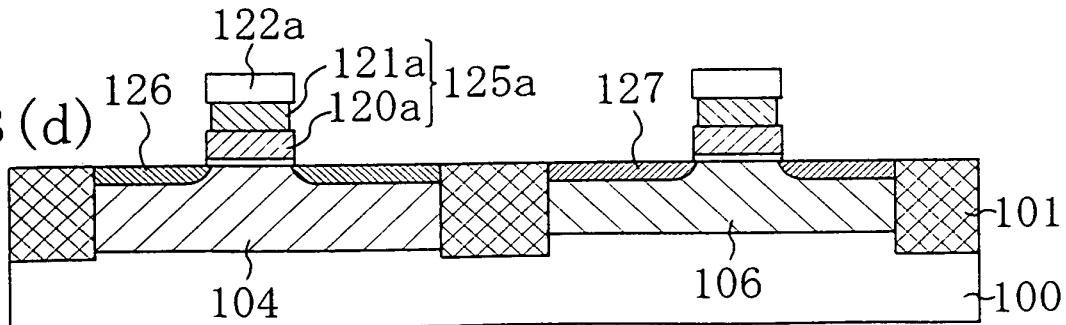


Fig. 24(a)

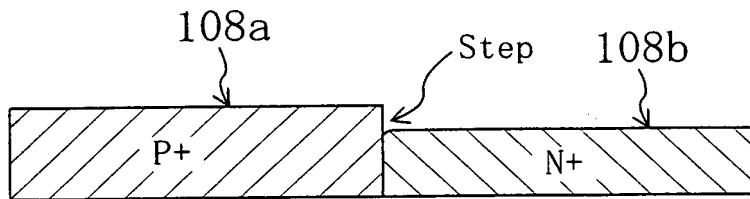


Fig. 24(b)

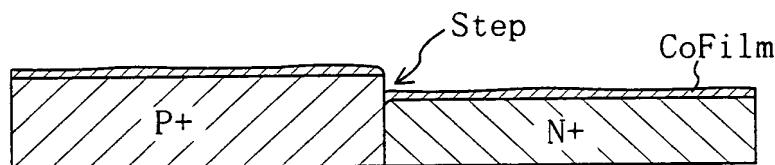


Fig. 24(c)

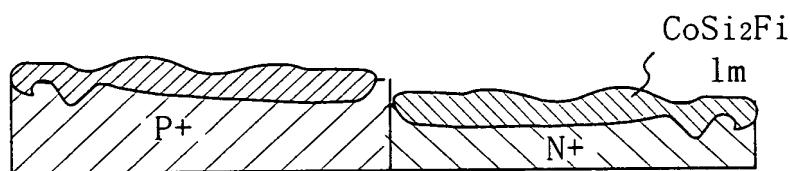


Fig. 25

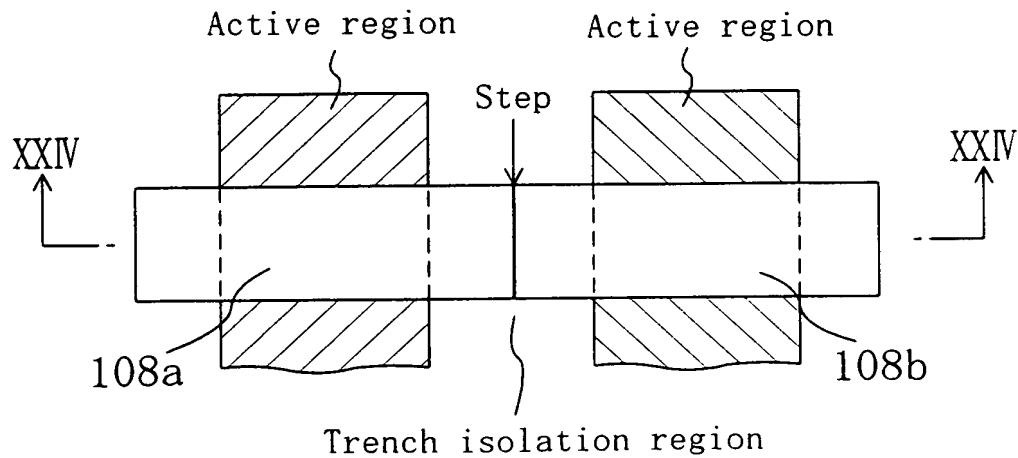


Fig. 26

